

DVD-PLAYER

UTS-Nr.: 999 QUELLE
 Best.Nr.: 8384059/01
 Ger.Bez.: DVD-PLAYER

 GKz: G GERAET
 WGT: 643 CD-VIDEO
 KD-Sektor: S SONDERGERAETE
 BaumNr.: 00 KEIN DIAGNOSEBAUM VORHANDEN
 Klassierung: VCR VIDEO-RECORDER
 IFW-FehlerGru.: 000 KEINER GRUPPE ZUORDENBAR
 Type/Privileg/Universum.Nr DVD DR 3015
 Beschreibung SIEHE AUCH NAN: 721/255
 VK-Preis: 1299.00

Serviceart: 1
 Garantie fuer Kunden 12 Monate
 Sondervereinbarungen: 0 SIEHE SERVICEART

Garantiereparatur 0004063 PROPECTIS GMBH
 Sondervereinbarungen: 0 SIEHE SERVICEART

Katalog	Seite
Erst 014 HAUPTKATALOG H/W 2001	0000
Letzt 000 NOCH IM AKTUELLEN KATALOG	1566

Geraete Info:

ACHTUNG:

BEI REPARATUREN AM SUBWOOFER MUSS, UM BESCHAEDIGUNGEN ZU VERMEIDEN, IMMER ERST DER LAUTSPRECHER AUSGEBAUT WERDEN!! RUECKSEITEN-GITTER ABZIEHEN, LS AUSBAUEN (4 SCHRAUBEN), DANN KABELBINDER DER NETZTRAFOLEITUNG LOESEN (4 STUECK). JETZT KANN OBERE BLENDE (10 SCHRAUBEN) ABGEBAUT WERDEN.

ACHTUNG:

AN MPEG-PLATINE UND DVD-LAUFWERK SIND KEINE REPARATURVERSUCHE VORZUNEHMEN. DIESE TEILE DUERFEN NUR ALS EINHEITEN GETAUSCHT WERDEN UND SIND MIT FEHLERANGABE (!!!) RUECKSENDEPFLICHTIG.

Safety Precaution.....	1
Specifications.....	2-3
Wiring Diagram.....	4
Block Diagram.....	5
Printed Circuit Board.....	6-15
Exploded View.....	16
Schematic Diagram.....	17

SAFETY PRECAUTIONS

1. SAFETY PRECAUTIONS

Before returning an instrument to the customer, always make a safety check of the entire instrument, including, but not limited to, the following items:

- a. Be sure that no built-in protective devices are defective and/or have been defeated during servicing.
 - (1) Protective shields are provided to protect both the technician and the customer. Correctly replace all missing protective shields, including any removed for servicing convenience.
 - (2) When reinstalling the chassis and/or other assembly in the cabinet, be sure to put back in place all protective devices, including, but not limited to, nonmetallic control knobs, insulating fishpapers, adjustment and compartment covers/shields, and isolation resistor/capacitor networks. Do not operate this instrument or permit it to be operated without all protective devices correctly installed and functioning.
- b. Be sure that there is no cabinet opening through which an adult or child might be able to insert their fingers and contact a hazardous voltage. Such openings include, but are not limited to, excessively wide cabinet ventilation slots and an improperly fitted and/or incorrectly secured cabinet back cover.

2. PRODUCT SAFETY NOTICE

Some electrical and mechanical parts have special safety-related characteristics which are often not evident from visual inspection, nor can the protection they give necessarily be obtained by replacing them with components rated for higher voltage, wattage, etc. Parts that have special safety characteristics are identified by shading, by a (x) or (Δ) on the schematics and parts list. Use of a substitute replacement that does not have the same safety characteristics as the recommended replacement part might create shock, fire, and/or other hazards. Product Safety is under review continually and new instructions are issued whenever appropriate.

3. SERVICING PRECAUTIONS

CAUTION: Before servicing instruments covered by this service manual and its supplements, read and follow the SAFETY PRECAUTIONS on this page.

NOTE: If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions, always follow the safety precautions. Remember: Safety First.

General Servicing Precautions

- a. Always unplug the instrument AC power cord from the AC power source before:
 - (1) Removing or reinstalling any component, circuit board, module, or any other instrument assembly.
 - (2) Disconnecting or reconnecting any instrument electrical plug or other electrical connection.
 - (3) Connecting a test substitute in parallel with an electrolytic capacitor in the instrument.
- Caution: A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
- b. Do not defeat any plug/socked B+ voltage interlocks with which instruments covered by this service manual might be equipped.
 - c. Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solidstate device heat sinks are correctly installed.
 - d. Always connect a test instruments ground lead to the instrument chassis ground before connecting the test instrument ground lead last.

SPECIFICATIONS

DVD Player

- Pickup Semiconductor laser, Wavelength 650 nm
- Signal system NTSC / PAL
- Video signal horizontal resolution More than 480 lines (DVD)
- Video signal-to-noise ratio More than 60 dB (DVD)
- Audio frequency response (at 2 CH stereo mode) DVD (PCM): 2 Hz ~ 22 kHz (+/- 1.0 dB)
CD: 2 Hz ~ 20 kHz (+/- 1.0 dB)
- Audio signal-to-noise ratio More than 80 dB
- Total harmonic distortion Less than 0.01%
- Dynamic range DVD (PCM): More than 85 dB (EIAJ, 2kHz, -60 dBFS)
CD: More than 85 dB (EIAJ)

FM Tuner

- System PLL quartz-locked digital synthesizer system
- Tuning range 87.50 ~ 108.00 MHz (50 kHz step)
- Antenna FM pigtail antenna
- Antenna terminals 75 ohms, unbalanced
- Intermediate frequency 10.7 MHz

AM Tuner

- System PLL quartz-locked digital synthesizer system
- Tuning range 522~1620 kHz (9 kHz interval)
- Antenna AM Loop antenna

Video outputs

- CVBS Video 1 Vp-p 75 ohms
- S-video Y: 1 Vp-p 75 ohms
C: PAL 0.3 Vp-p 75 ohms / NTSC 0.286 Vp-p 75 ohms
- Scart out 1 Vp-p 75 ohms
- Optical & Coaxial out 1 Vp-p 75 ohms

Audio line outputs

- Audio L/R 2 Vrms, 1 kilohms
- Subwoofer 5 Vrms maximum (adjustable), 1 kilohms

Audio power outputs

- Stereo mode 20 W + 20 W (4 ohms at 1 kHz, THD 10%)
- Surround mode Front: 20 W + 20 W (4 ohms at 1 kHz, THD 10%)
Center: 20 W (4 ohms at 1 kHz, THD 10%)
Rear: 20 W + 20 W (4 ohms at 1 kHz, THD 10%)
- Phones Headphones jack(stereo 6.35mm)

General

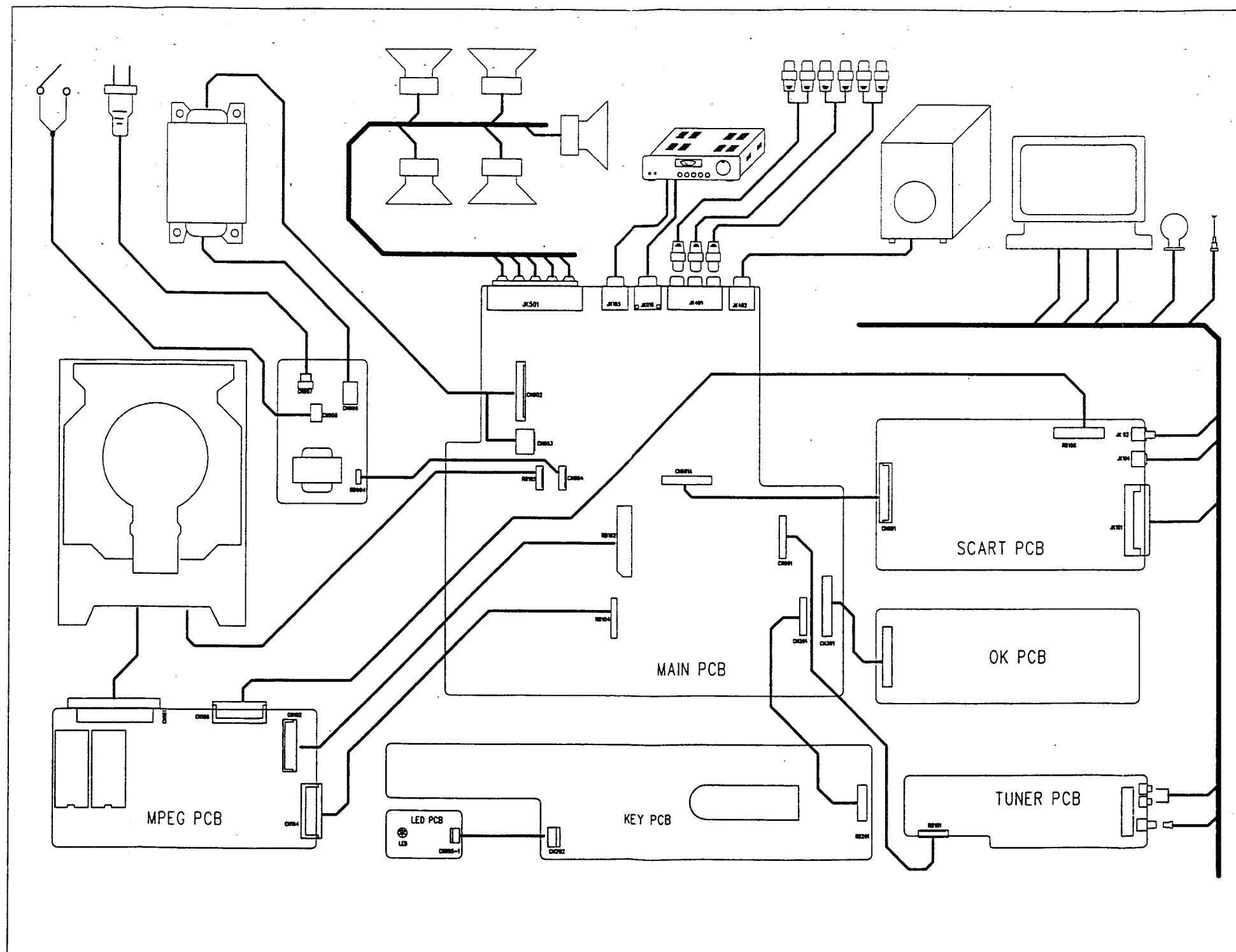
- Power requirements AC 230 V, 50 Hz
- Power consumption 200 W
- Dimensions (main unit) W 430x H78x D378 mm
- Weight 8.2 kg

SPECIFICATIONS

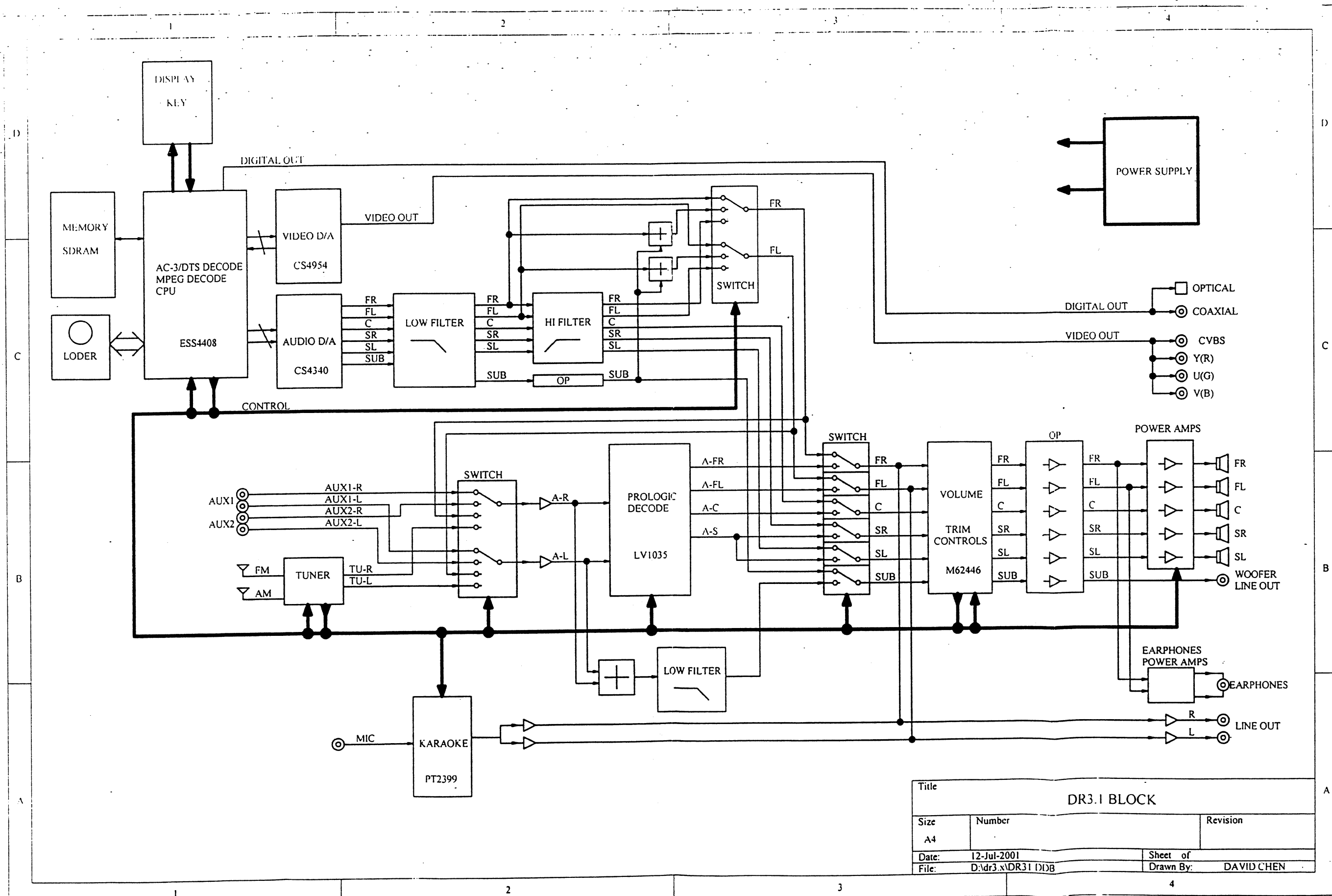
Speakers

- Active Subwoofer Output power : 75 W (4 ohms at 80Hz, THD 10%)
Speaker system : Bass reflex
Power requirements : AC 230 V, 50 Hz
Power consumption : 50 W
Speaker unit : 8 inches, dia, cone type
Rated impedance : 4 ohms
Dimensions : W200x H333x D328 mm
Weight : 7.1 kg
- Front / Center / Rear speakers Power: 25 W maximum
Speaker system: Bass reflex
Speaker unit: 2 7/8 inches,dia,cone type
Rated impedance: 4 ohms
Dimensions: W90x H150x D110 mm
Weight: 0.5 kg

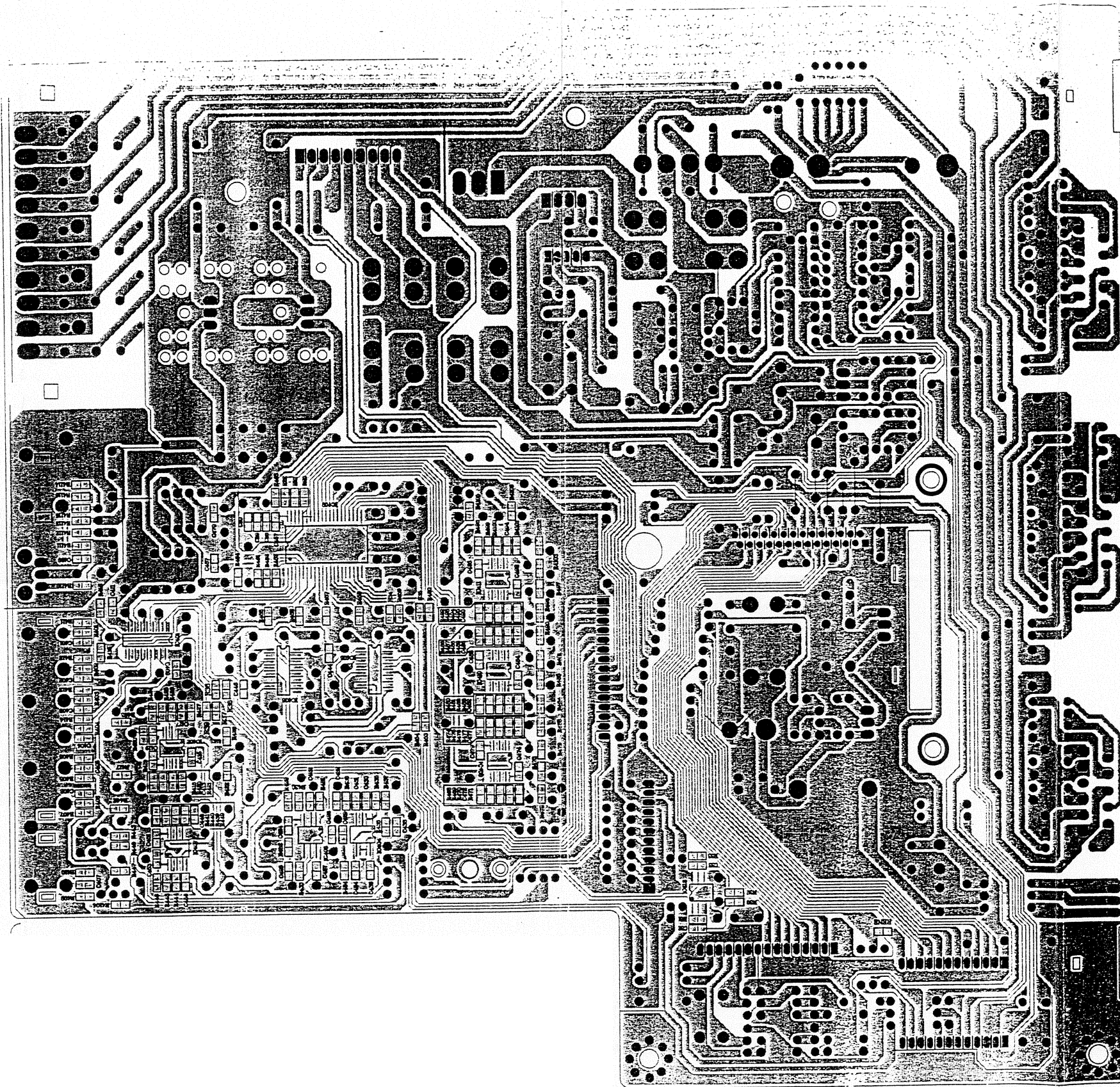
Design and specifications are subjected to change without notice.
Weight and dimensions are approximate.

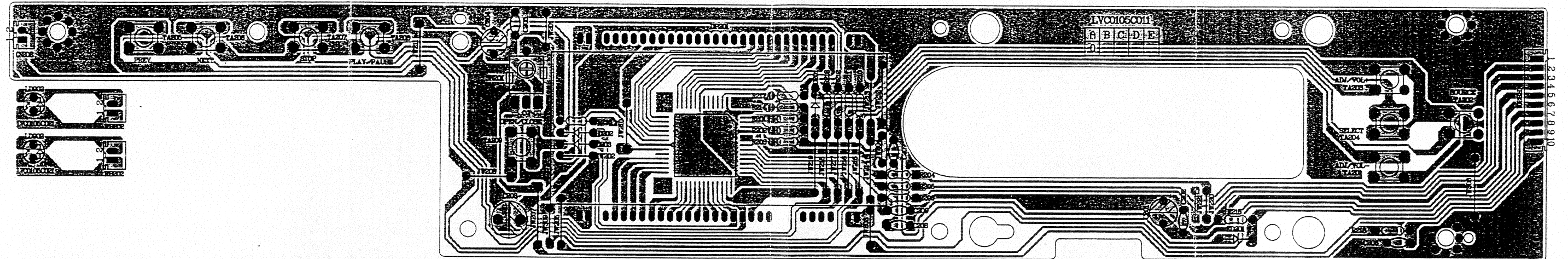


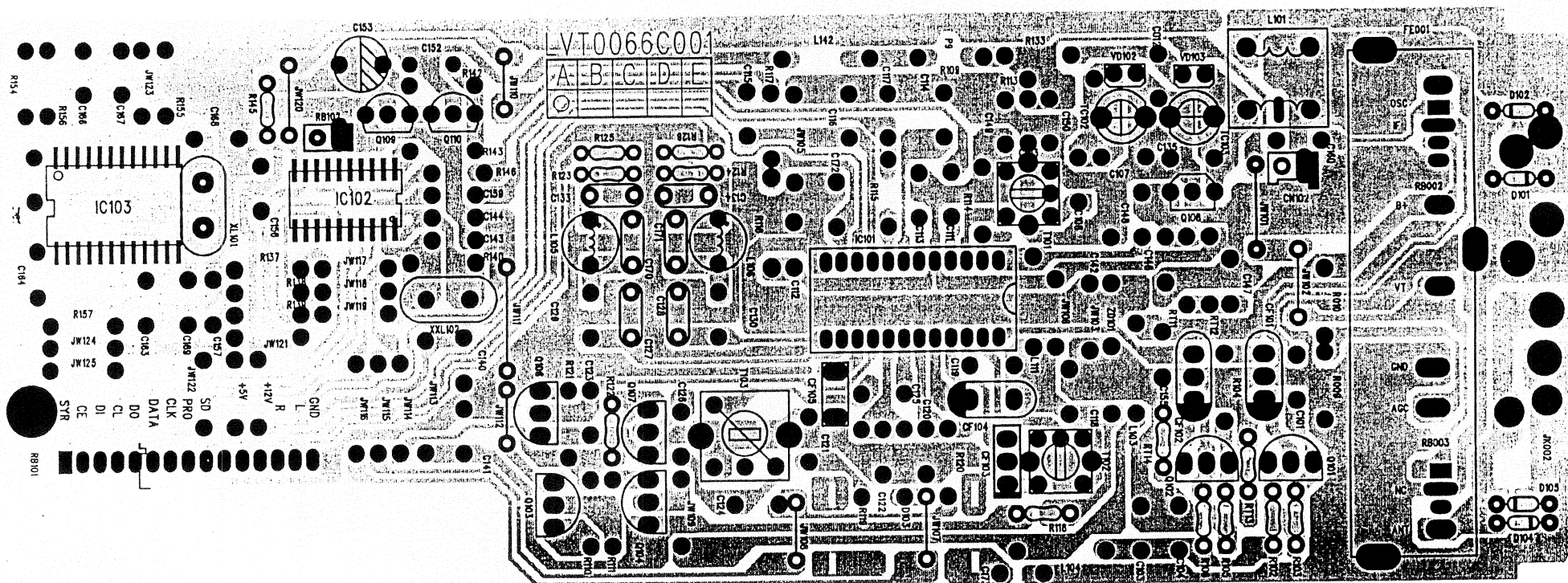
BLOCK DIAGRAM



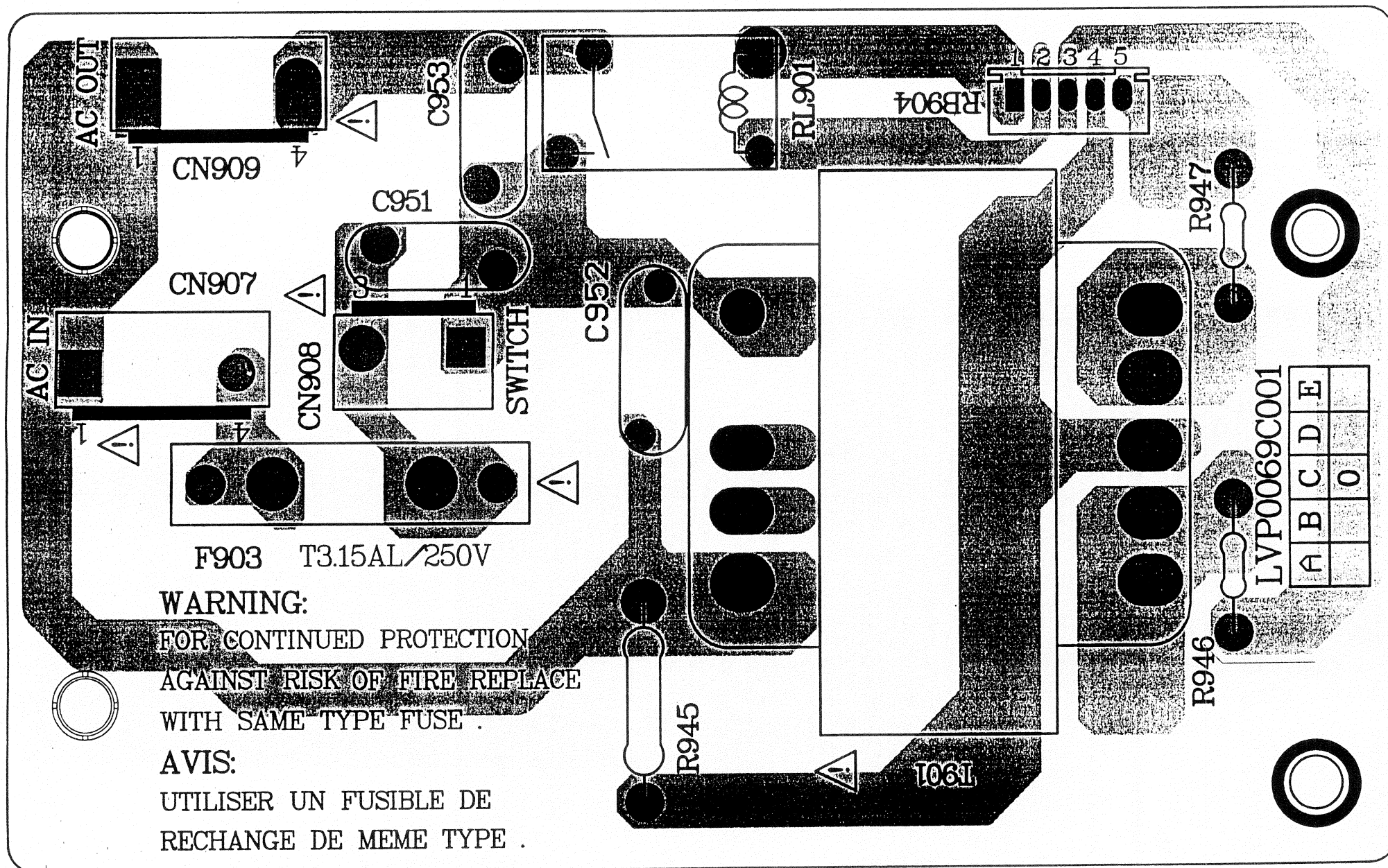
Title		
DR3.1 BLOCK		
Size	Number	Revision
A4		
Date:	12-Jul-2001	Sheet of
File:	D:\dr3.1\DR3.1.DDB	Drawn By: DAVID CHEN



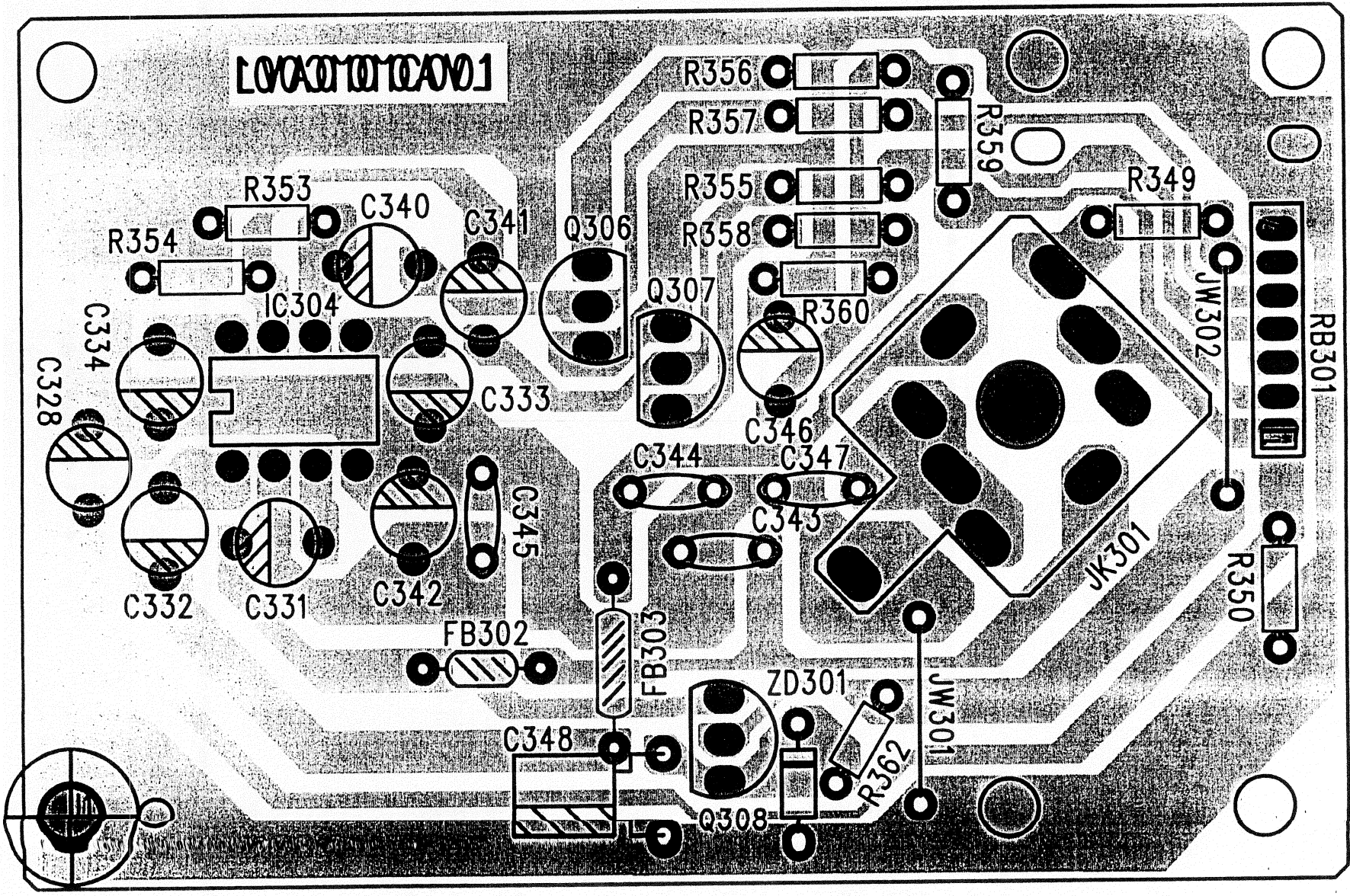




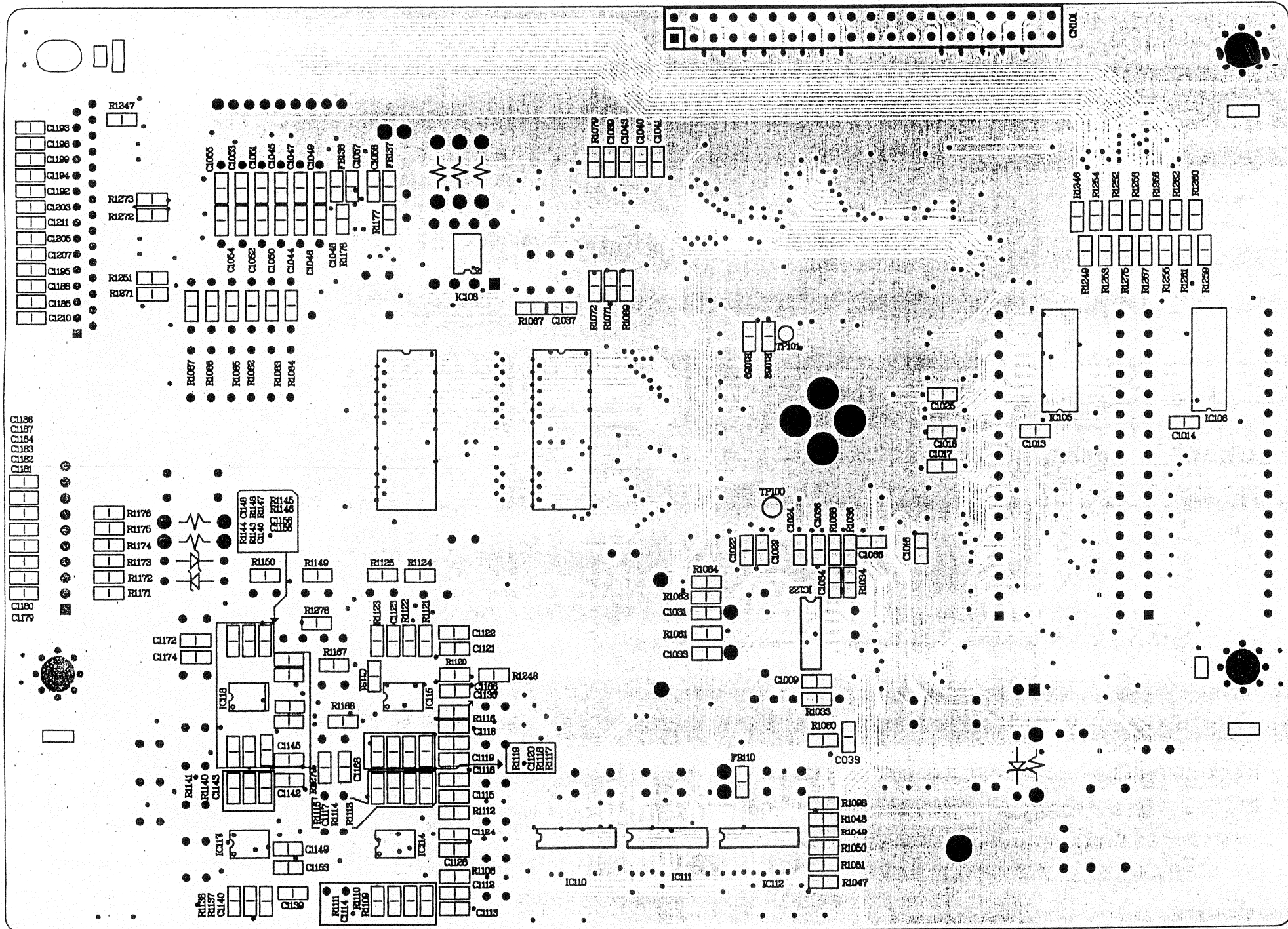
TUNER BLOCK DIAGRAM



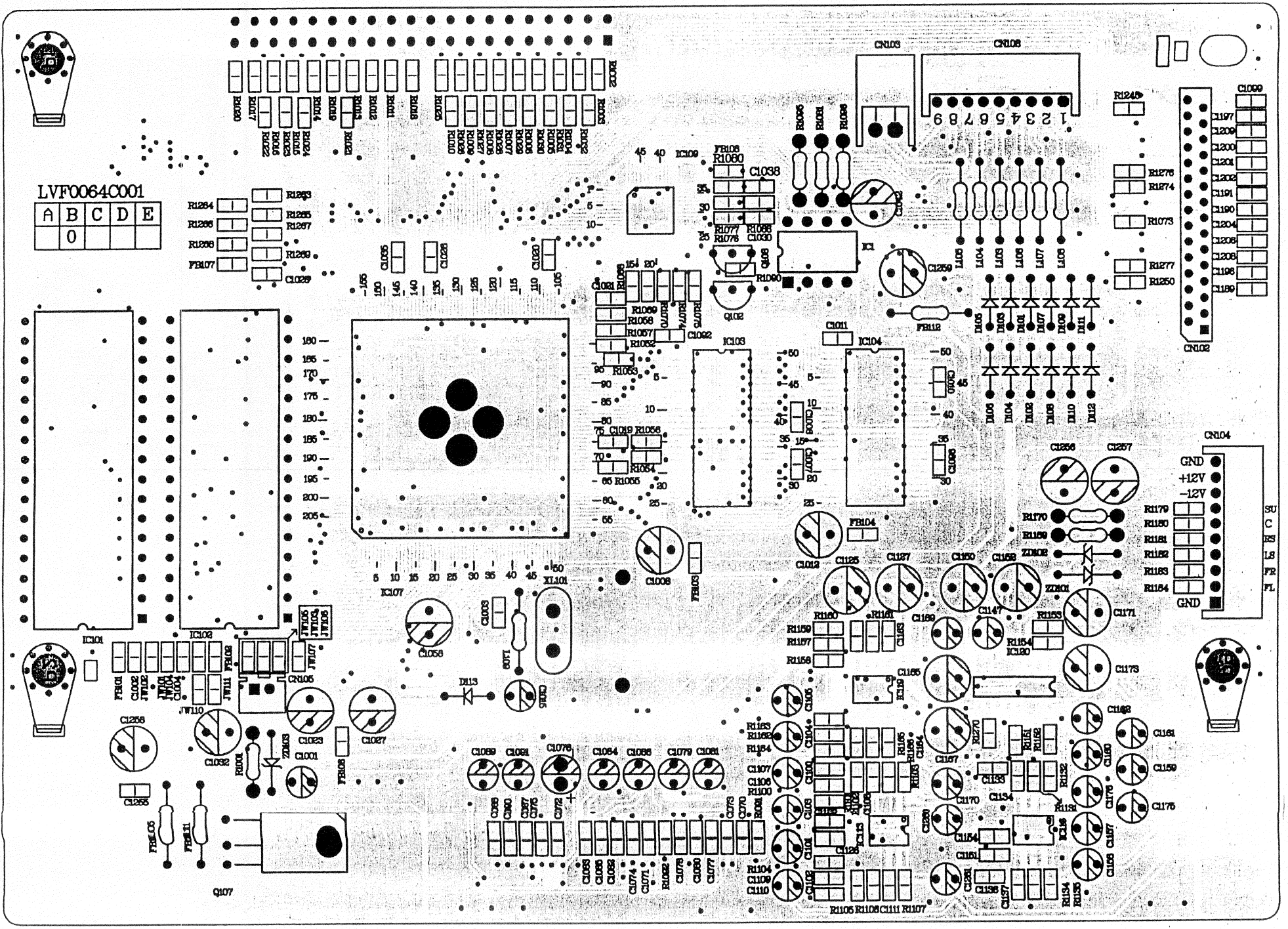
POWE BLOCK DIAGRAM



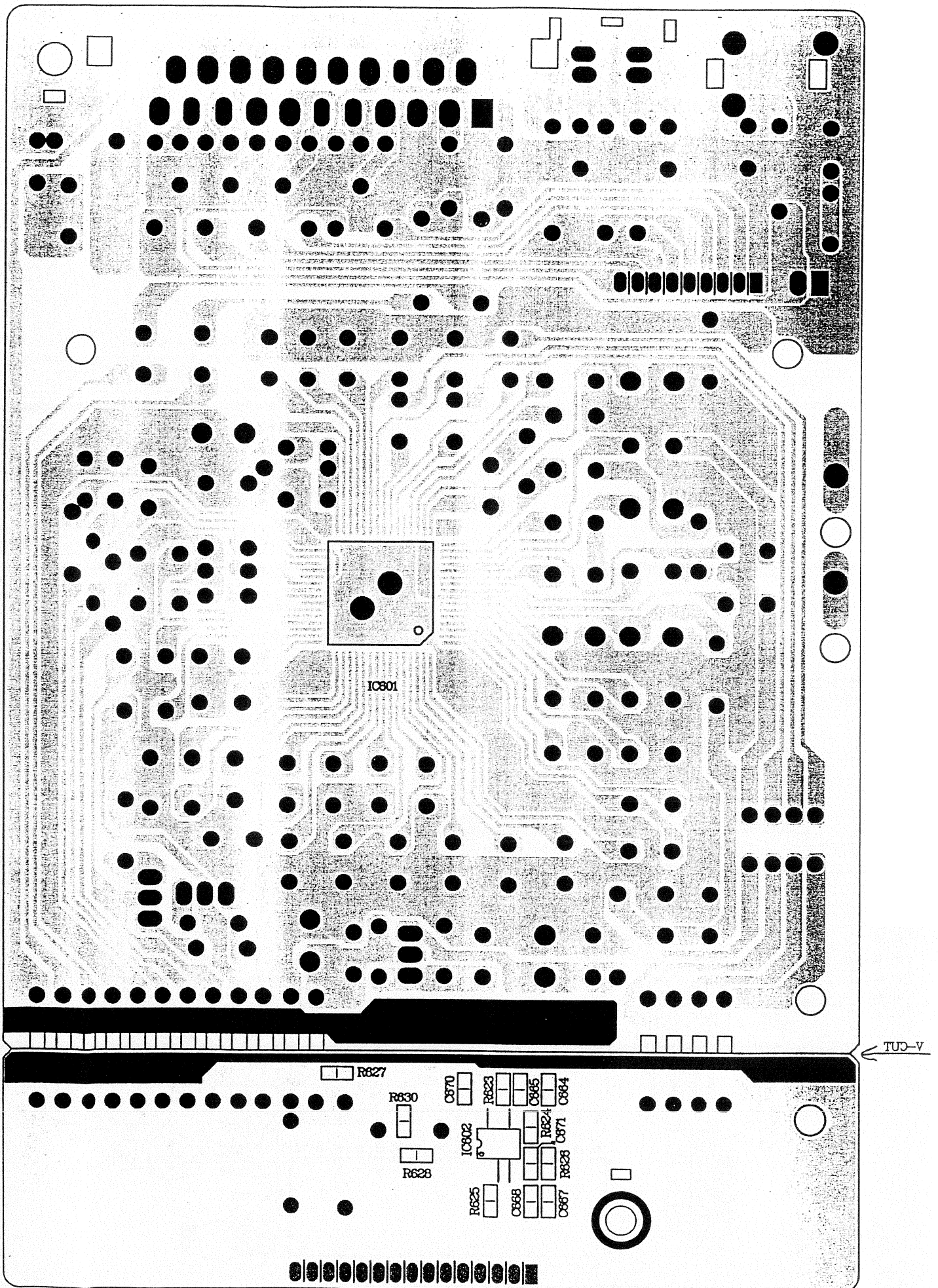
DECODER BLOCK DIAGRAM (BOTTOM)

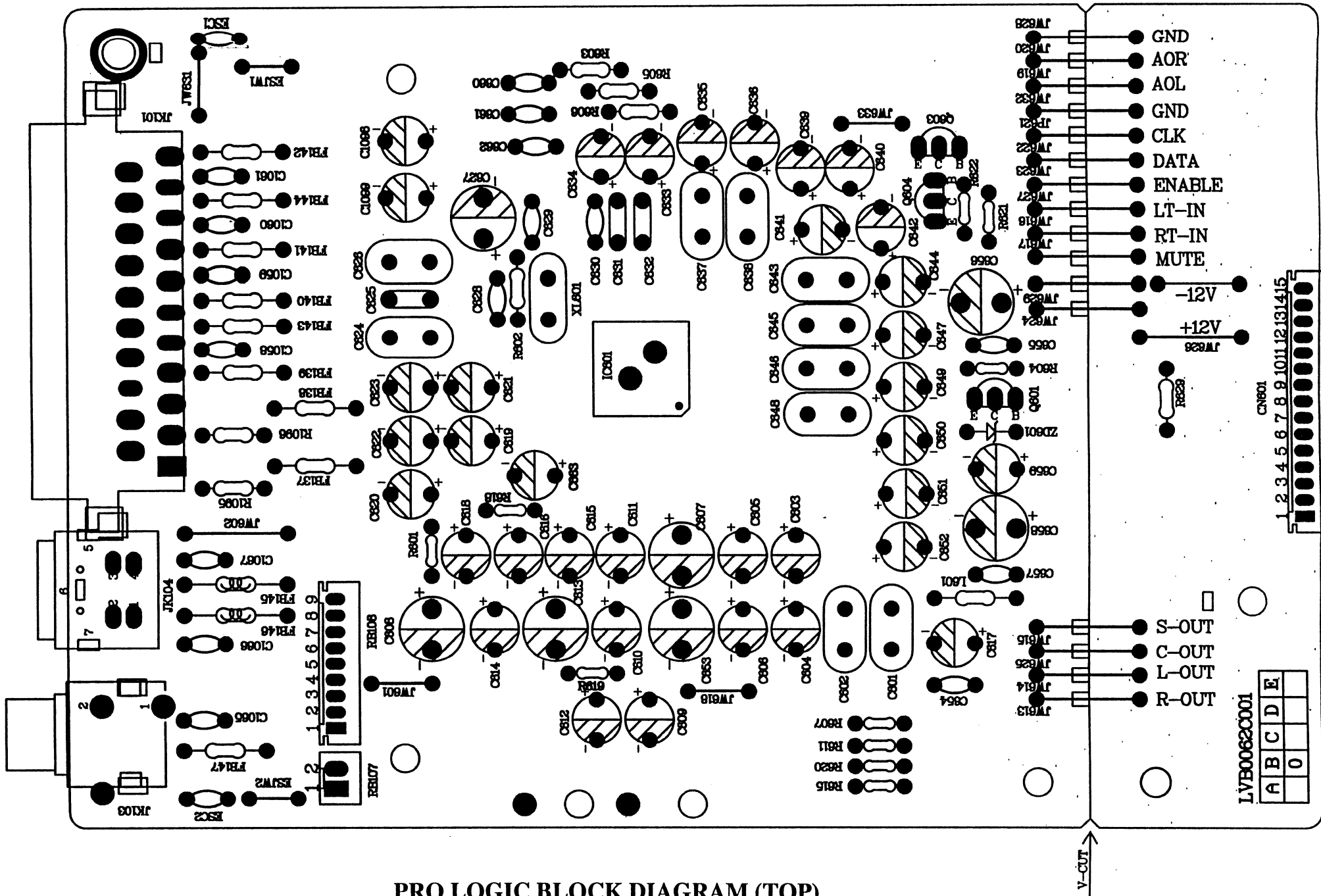


DECODER BLOCK DIAGRAM (TOP)

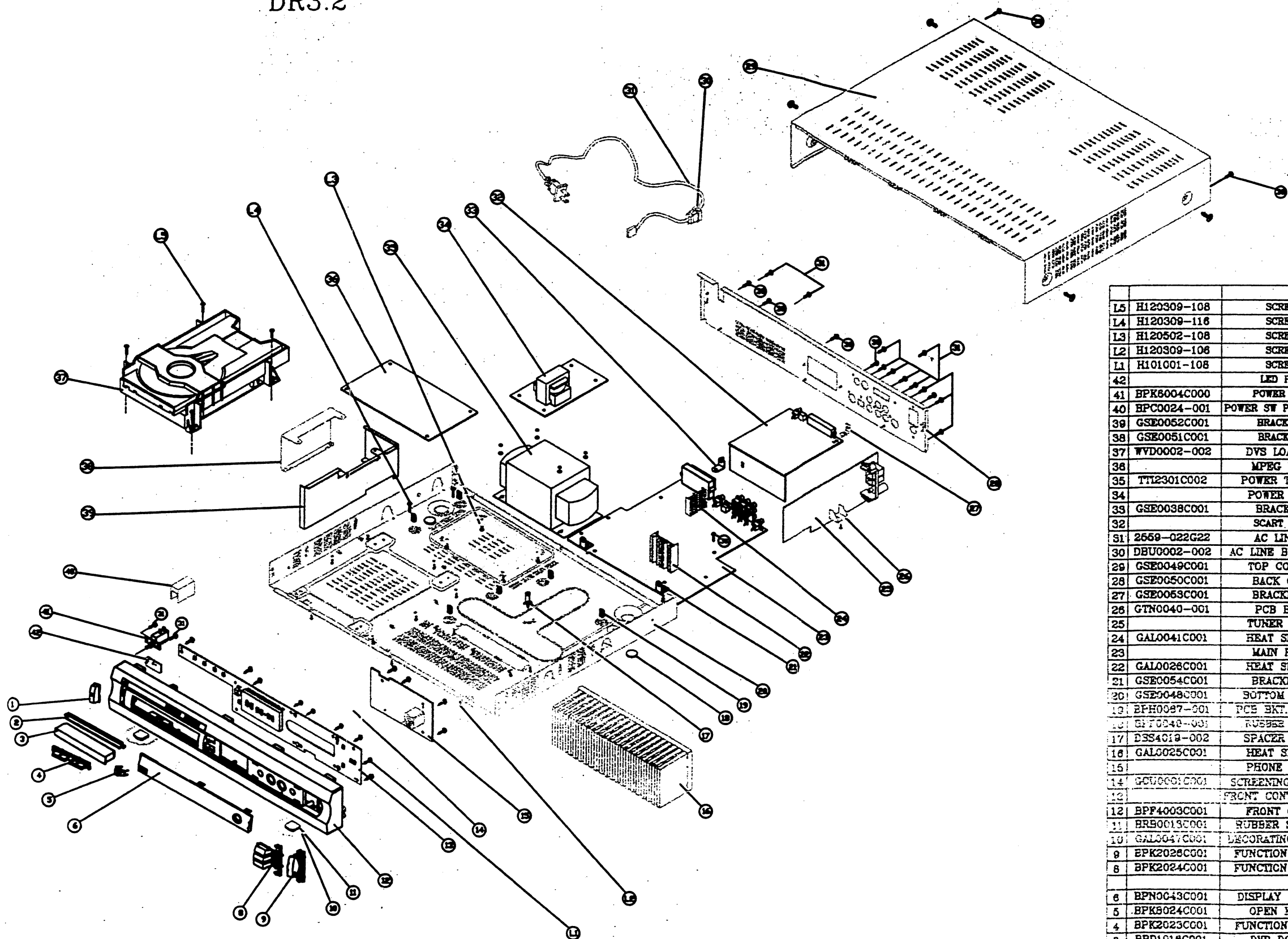


PRO LOGIC BLOCK DIAGRAM (BOTTOM)

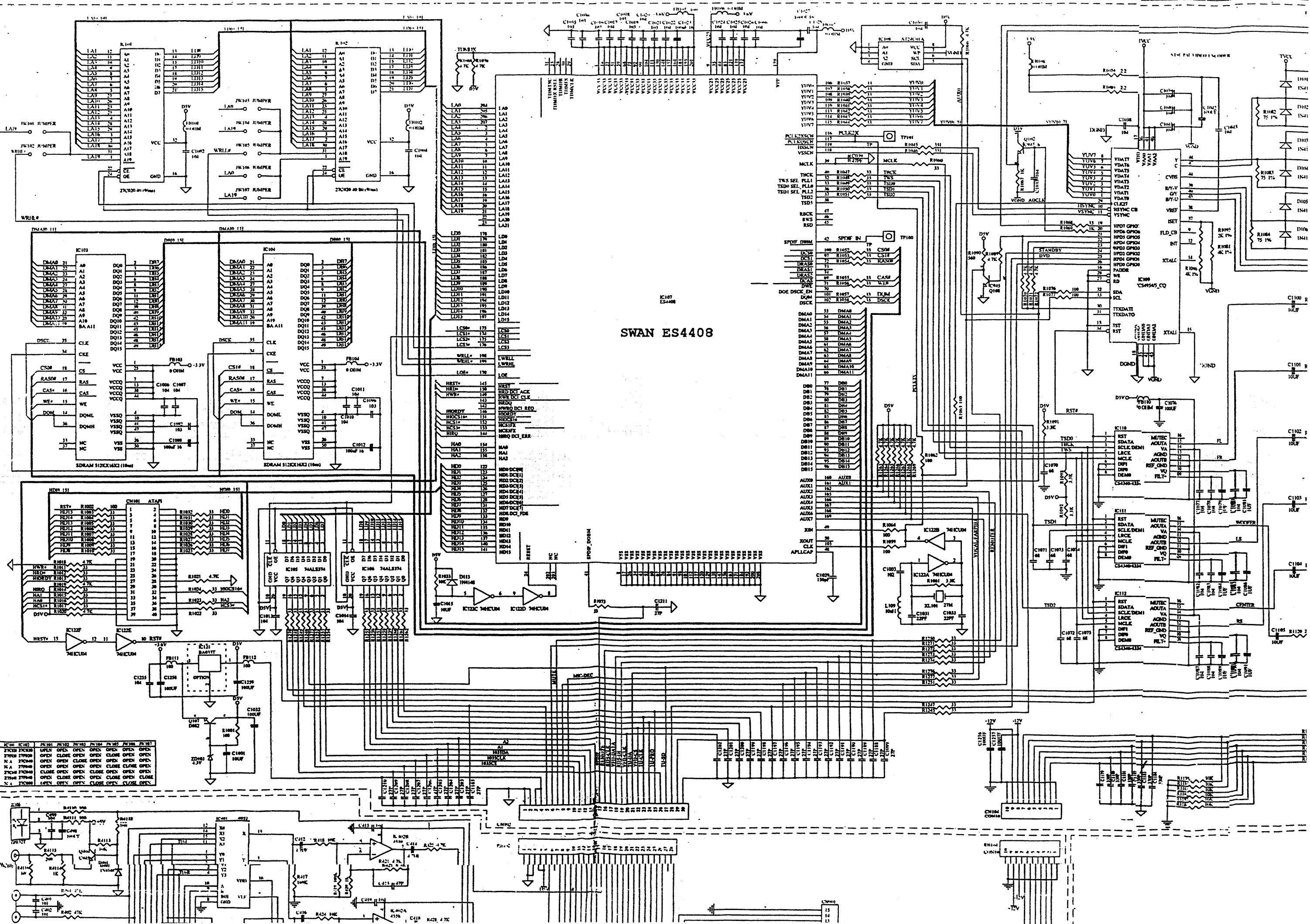


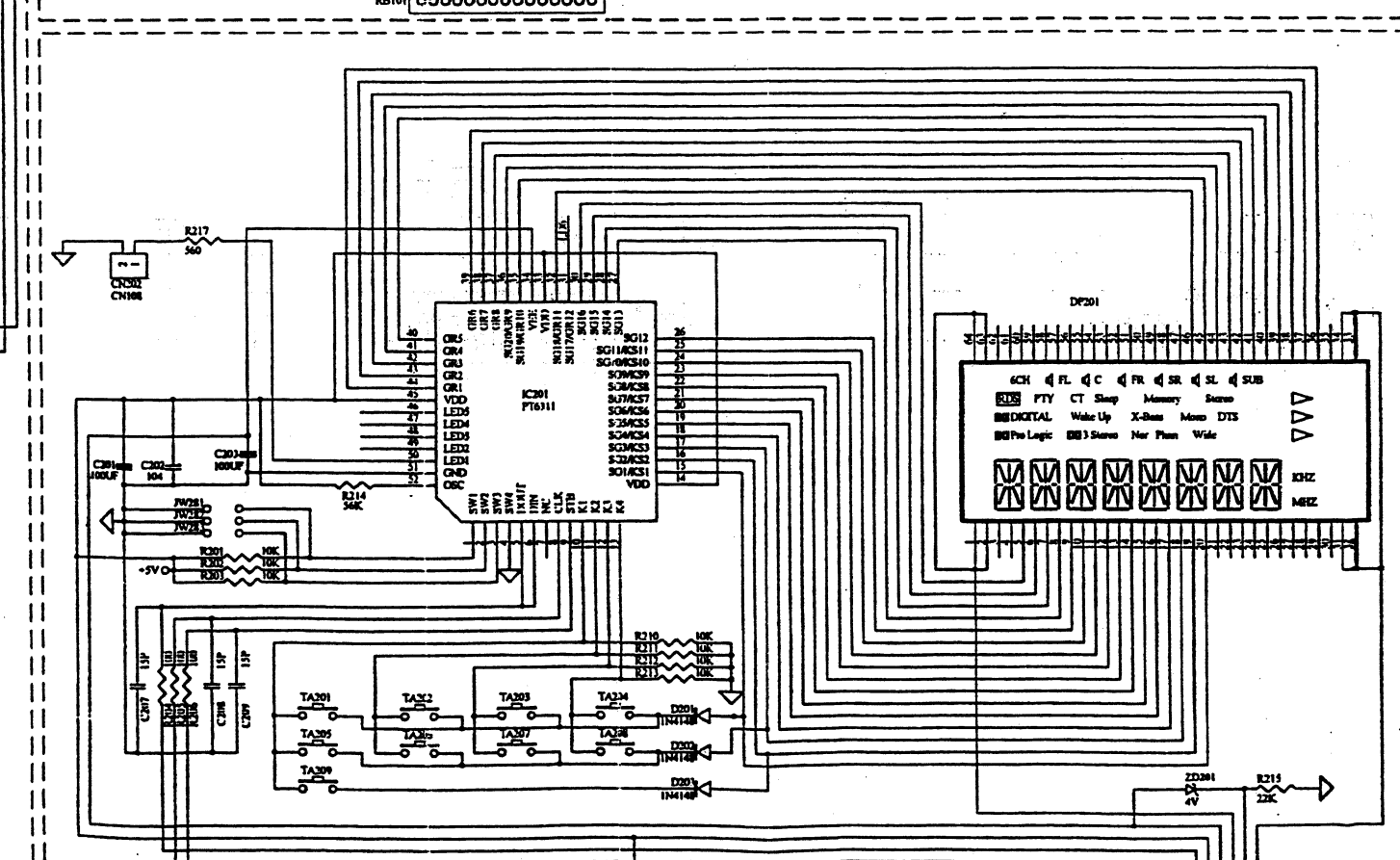
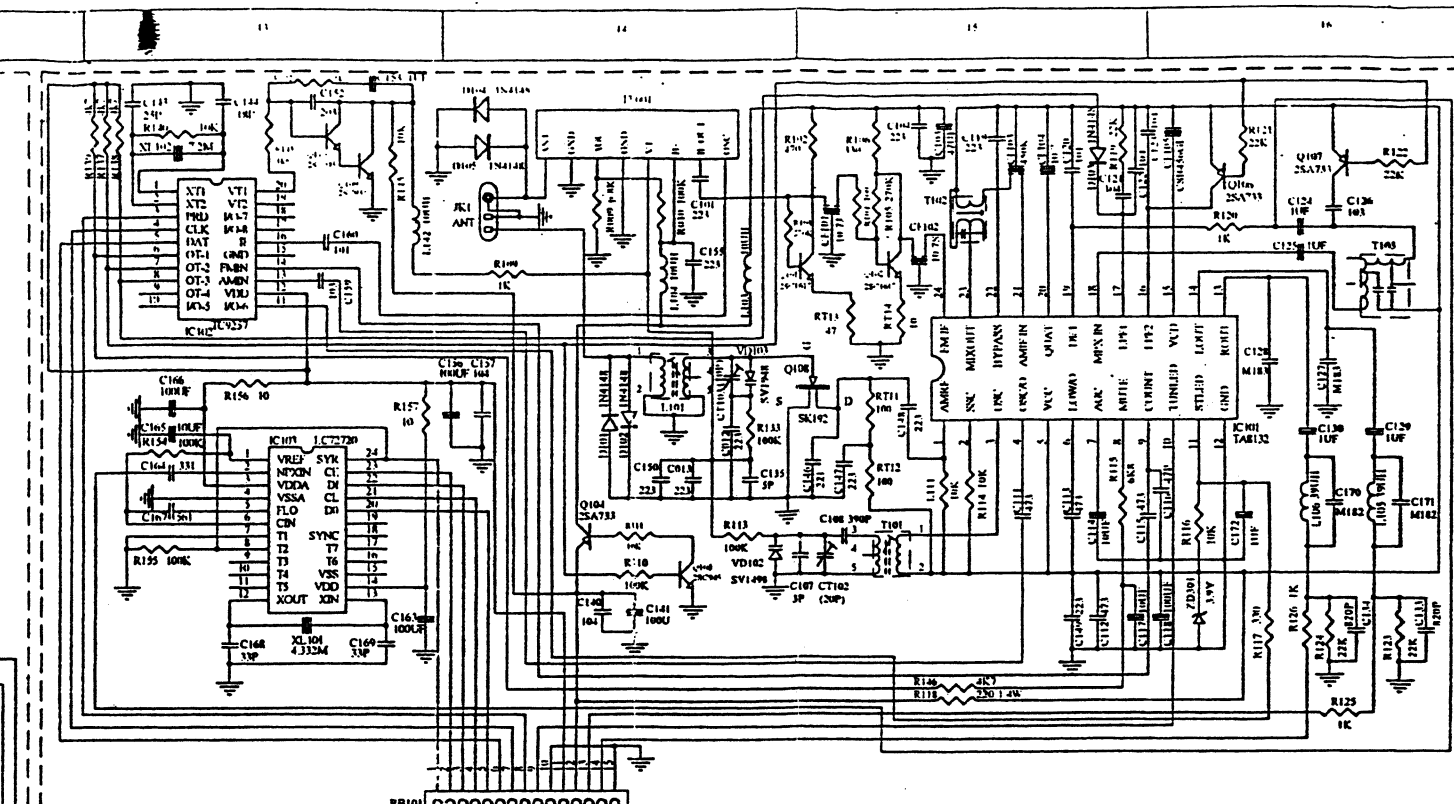
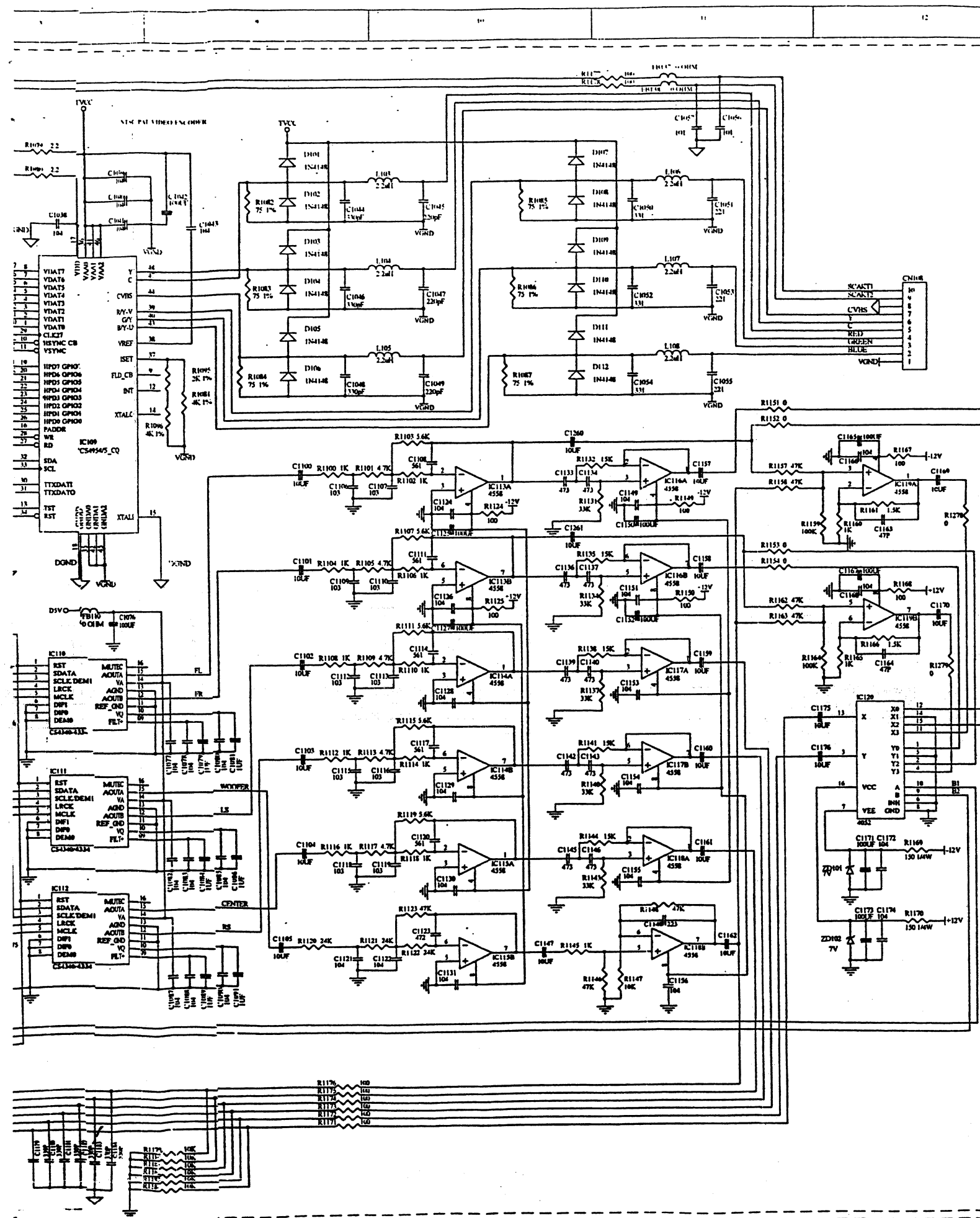


DR3.2



L5	H120309-108	SCREW	M3x6r0.5P	4	
L4	H120309-116	SCREW	M3x16r0.5P	6	
L3	H120502-108	SCREW	M3X0.6PX24	4	
L2	H120309-106	SCREW	M3x6r0.5P	34	
L1	H101001-108	SCREW	M3.0xF1.27-2RHx1.9mm	31	
42		LED PCB	PCB T=1.6mm	1	
41	BPK6004C000	POWER KEY	ABS SPRAYING OIL	1	
40	BPC0024-001	POWER SW PROTECTOR	HIPS	1	
39	GSE0052C001	BRACKET2	SECC T=0.8mm	1	
38	GSE0051C001	BRACKET1	SECC T=0.8mm	1	
37	VVD0002-002	DVS LOADER		1	
36		MPEG PCB		1	
35	T12301C002	POWER TRANS		1	
34		POWER PCB	PCB T=1.6mm	1	
33	GSE0038C001	BRACKET	SECC T=0.8mm	1	
32		SCART PCB	PCB T=1.6mm	1	
31	2559-022G22	AC LINE		1	
30	DEU0002-002	AC LINE BUSHING	HIPS	1	
29	GSE0049C001	TOP COVER	SECC T=0.6mm	1	
28	GSE0050C001	BACK CAB	SECC T=0.8mm	1	
27	GSE0053C001	BRACKETS	SECC T=0.8mm	1	
26	GTN0040-001	PCB BKT	AM715D	1	
25		TUNER PCB	PCB T=1.6mm	1	
24	GAL0041C001	HEAT SINK3		2	
23		MAIN PCB	PCB T=1.6mm	1	
22	GAL0028C001	HEAT SINK2		1	
21	GSEC0054C001	BRACKET4	SECC T=0.9mm	1	
20	GSE0048C001	BOTTOM CAB	SECC T=1.0mm	1	
19	BPH0027-301	PCB BKT.(R.B.S)	HIPS	3	
18	BPT0040-001	RUBBER FOOT		1	
17	BSS4019-002	SPACER SUP	OD=4.0 ID=1.9 L=13	1	
16	GAL0025C001	HEAT SINK1		1	
15		PHONE PCB		1	
14	GOU0001C001	SCREENING SHEET		1	
13		FRONT CONTROL PCB		1	
12	BPP4003C001	FRONT CAB.	HIPS SPRAYING OIL	1	
11	BR90019C001	RUBBER SHEET		2	
10	GAL0047C001	DECORATING PART	CHROMED SILVER	1	
9	BPK2028C001	FUNCTION KEY3	ABS SPRAYING OIL	1	
8	BPK2024C001	FUNCTION KEY2	ABS SPRAYING OIL	1	
7					
6	BPN0043C001	DISPLAY LENS	ACYLIC	1	
5	BPK8024C001	OPEN KEY	ABS SPRAYING OIL	1	
4	BPK2023C001	FUNCTION KEY1	ABS SPRAYING OIL	1	
3	BPD1018C001	DVD DOOR	HIPS SPRAYING OIL	1	
2	BPD1017C001	DVD DOOR TRIM	ABS SPRAYING OIL	1	
1	BPE6010C001	POWER KEY	ABS-SPRAYING OIL	1	
NO.	PART NO.	PART NAME	DESCRIPTION	QTY	REMARK
USE ON		客户名称	单位	材料	零件号
MODEL NO.	CUSTOMER	F G H I J	MM		
DRS.2	HITACHI		SCALE	FINISH	PART NAME
			DATE	DESIGNED	EXPLODE VIEW
			2001.02.07		
			REVISION NO.	CHECKED	
			ACAD FILE NAME	APPROVED	
				大港电子有限公司 ATE ELECTRONICS INC	





SETUP REGIONAL:

JW281-A
JW282-B
JW283-C
SETUP A B C
INSTALL-0
NOT INSTALL-1

A	B	C	REGIONAL
0	0	1	1
0	1	1	2
1	0	1	3
1	1	1	4

